

Date: Thu, 4 Aug 94 00:09:05 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #873  
To: Info-Hams

Info-Hams Digest                      Thu, 4 Aug 94                      Volume 94 : Issue 873

Today's Topics:

                    450 MHz Repeater for sale  
                    Address for Callbooks Inc ? (2 msgs)  
                    Antenna question?  
        Daily Summary of Solar Geophysical Activity for 02 August  
                    Did CB's used to require licenses?  
                    Gaithersburg MD Hamfest - 1994 Dates??????? (2 msgs)  
                    Ham Software Pirates?  
                    Interference to X-10 home automation?  
                    Looking Maryland QSO info  
                    Technician No Code  
                    What is WWV  
                    Yaesu ft530 vco tune up

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: 3 Aug 1994 11:40:06 -0400  
From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net  
Subject: 450 MHz Repeater for sale  
To: info-hams@ucsd.edu

I have the following for sale:

Regency UHF Repeater (estimate 10-15W power)

Data Signal Inc., Autopatch Model RAP 200  
Model # RAP 200

Phelps Dodge Communications duplexers (4)

This is commercial grade equipment previously used for a mobile phone/pager network running on the 400MHz band. Tx 462 MHz, Rx 467 MHz.

Highest bidder takes it!

-- Atle Bjanes

Atle Bjanes, voice (717) 534-5006, (717) 626-2553 (home)

-----  
Date: Wed, 3 Aug 1994 20:14:15 GMT  
From: worldbank.org!news@uunet.uu.net  
Subject: Address for Callbooks Inc ?  
To: info-hams@ucsd.edu

Does anyone have a more recent mailing address for Radio Amatuer Callbooks Inc (formerly of P.O. Box 247, Lake Bluff IL60??? - mail service put a sticker on this part of my evenlope)? The former address was rejected by the Post Office.

Thanks, Darrel (NR3Y).

-----  
Date: Thu, 4 Aug 1994 01:32:20 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!library.ucla.edu!csulb.edu!nic-nac.CSU.net!usc!sdd.hp.com!col.hp.com!csn!jstuart@network.ucsd.edu  
Subject: Address for Callbooks Inc ?  
To: info-hams@ucsd.edu

dearnshaw@worldbank.org wrote:

: Does anyone have a more recent mailing address for Radio Amatuer  
: Callbooks Inc (formerly of P.O. Box 247, Lake Bluff IL60??? - mail  
: service put a sticker on this part of my evenlope)? The former  
: address was rejected by the Post Office.

: Thanks, Darrel (NR3Y).

Darrel:

Just got something in the mail from them today adress is:

RAC  
BOX 2013  
LAKEWOOD, NJ. 08701  
908-905-2961

73  
Jon <KB0MOI>

-----  
Date: Tue, 2 Aug 1994 20:18:09 GMT  
From: newsflash.concordia.ca!CC.UMontreal.CA!IRO.UMontreal.CA!clouso.crim.ca!  
hobbit.ireq.hydro.qc.ca!barde!vaillan@uunet.uu.net  
Subject: Antenna question?  
To: info-hams@ucsd.edu

I would like to get your opinion on an HF antenna setup I would like to do.  
I want to operate my ft890at on 20, 17 and 15 meters. The ft890at have  
an automatic antenna tuner built in and have 100 watts output.  
I have a small lot with a 40 ft tower on one side. No room for a beam,  
so I am considering a vertical like the R5. My other choice would be  
an insulated pipe on top of the tower connected to a remote antenna tuner  
like the SGC 230.

Choice A

```

      8
      I
      I
      8
      I
      8
      I   R5 antenna
      8
      I
      8
      I
      I
----- small radials
XXX
XXX
XXX
XXX
XXX
```

Choice B

```

      I
      I
      I
      I
      I
      I
      I   15' pipe
      I
      I
      I
      I
      I   -----
      I |SG230| tuner
----- small radials
XXX
XXX
XXX
XXX
XXX
```

XXX 40' tower  
XXX  
XXX  
XXX  
XXX  
XXX  
XXX  
XXX  
XXX  
XXX

XXX 40' tower  
XXX  
XXX  
XXX  
XXX  
XXX  
XXX  
XXX  
XXX  
XXX

===== Ground

According to you, what setup would give me the better results?

Thanks a lot for your help,

73 de VE2HQJ Clement.

---

Clement Vaillancourt,		Institut de Recherche d'Hydro-Quebec
Analyste,		Varennnes, P. Quebec, Canada, J3X 1S1
Informatique scientifique		Tel:+1 514 652 8238 Fax:+1 514 652 8309
vaillan@ireq.hydro.qc.ca		Radio-amateur: VE2HQJ@VE2CRL.PQ.CAN.NA

-----  
Date: Wed, 3 Aug 1994 12:00:51 MDT  
From: news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!  
europa.eng.gtefsd.com!library.ucla.edu!news.mic.ucla.edu!unixg.ubc.ca!  
quartz.ucs.ualberta.ca!alberta!ve6mgs!@@ihnp4.ucsd.edu  
Subject: Daily Summary of Solar Geophysical Activity for 02 August  
To: info-hams@ucsd.edu

/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\

DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

02 AUGUST, 1994

/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\

(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 02 AUGUST, 1994  
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!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 214, 08/02/94  
10.7 FLUX=075.0 90-AVG=079 SSN=024 BKI=2111 0111 BAI=003

BGND-XRAY=A2.9      FLU1=1.2E+06   FLU10=3.5E+04   PKI=2111 1222   PAI=005  
 BOU-DEV=010,006,005,009,004,006,005,006   DEV-AVG=006 NT   SWF=00:000  
 XRAY-MAX= B1.3   @ 0400UT   XRAY-MIN= A2.3   @ 1948UT   XRAY-AVG= A4.0  
 NEUTN-MAX= +002%   @ 0845UT   NEUTN-MIN= -002%   @ 0655UT   NEUTN-AVG= +0.2%  
 PCA-MAX= +0.2DB @ 1835UT   PCA-MIN= -0.1DB @ 2355UT   PCA-AVG= +0.0DB  
 BOUTF-MAX=55248NT @ 1312UT   BOUTF-MIN=55219NT @ 1707UT   BOUTF-AVG=55238NT  
 GOES7-MAX=P:+000NT@ 0000UT   GOES7-MIN=N:+000NT@ 0000UT   G7-AVG=+068,+000,+000  
 GOES6-MAX=P:+107NT@ 0205UT   GOES6-MIN=N:-030NT@ 0008UT   G6-AVG=+099,+022,-005  
 FLUXFCST=STD:075,078,078;SESC:075,078,078   BAI/PAI-FCST=005,010,010/010,010,010  
 KFCST=2223 3112 2224 4112   27DAY-AP=011,016   27DAY-KP=2233 2234 3433 4333  
 WARNINGS=  
 ALERTS=  
 !!END-DATA!!

NOTE: The Effective Sunspot Number for 01 AUG 94 was 26.7.  
 The Full Kp Indices for 01 AUG 94 are: 3- 2o 2o 2- 2- 2- 2+ 2o  
 The 3-Hr Ap Indices for 01 AUG 94 are: 11 9 8 6 6 7 10 9  
 Greater than 2 MeV Electron Fluence for 02 AUG is: 5.1E+07

# SYNOPSIS OF ACTIVITY -----

Solar activity was very low. Region 7762 (N06E70)  
 produced three subfaint flares. A filament lifted off the  
 northeast quadrant.

Solar activity forecast: solar activity is expected to be  
 very low.

The geomagnetic field has been at quiet levels.

Geophysical activity forecast: the geomagnetic field is  
 expected to be quiet, changing to unsettled for day 2 and day 3.  
 High latitude stations may experience active periods on day 3.

Event probabilities 03 aug-05 aug

Class M	01/01/01
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 03 aug-05 aug

A. Middle Latitudes	
Active	05/15/20
Minor Storm	05/10/10

Major-Severe Storm 01/01/05

B. High Latitudes

Active 15/20/30

Minor Storm 10/10/15

Major-Severe Storm 01/05/05

HF propagation conditions were near-normal over all regions. Similar conditions are expected over the next 24 hours. There is a chance a recurrent coronal-hole related disturbance may begin increasing high-latitude signal degradation on 04 and 05 August. Otherwise, near-normal propagation will continue.

#### COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

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#### REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 02/2400Z AUGUST

-----

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7761	S05W16	197	0000	AXX	00	001	ALPHA	
7762	N06E71	110	0040	CAO	05	003	BETA	
7759	N03W30	211					PLAGE	
7760	S07W90	271					PLAGE	

REGIONS DUE TO RETURN 03 AUGUST TO 05 AUGUST

NMBR	LAT	LO
------	-----	----

7754	N11	080
------	-----	-----

7751	S12	070
------	-----	-----

#### LISTING OF SOLAR ENERGETIC EVENTS FOR 02 AUGUST, 1994

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BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
NONE									

#### POSSIBLE CORONAL MASS EJECTION EVENTS FOR 02 AUGUST, 1994

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NO DATA PRESENTLY AVAILABLE.

NOTICE: The only reported CME was a filament eruption in the northeast quadrant that will not prove geoeffective.

#### SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

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Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
------	-------	-----	-----	------	----	--------	------	----------	----------	----------

NO EVENTS OBSERVED.

#### REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
Uncorrelated:	0	0	0	0	0	0	0	0	000	( 0.0)

Total Events: 000 optical and x-ray.

#### EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
------	-------	-----	-----	------	----	--------	------	-----------------------------

NO EVENTS OBSERVED.

#### NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

\*\* End of Daily Report \*\*

Date: 3 Aug 1994 03:17:17 GMT

From: meaddata!swiss.ans.net!malgudi.oar.net!news.ysu.edu!yfn.ysu.edu!  
as779@uunet.uu.net  
Subject: Did CB's used to require licenses?  
To: info-hams@ucsd.edu

In a previous article, jcarter@orl.mmc.com (James Carter) says:

>I had one back in 1968 - KTI-0078. In Cocoa Fl where I lived we used call  
>signs all the time. I had a Johnson messenger 1 with 5 xtals. It was a tube  
>type radio and would dim the headlights on my car when you talked.

>

>If I remember right the fee was \$25.00 and you could have up to 6 units on  
>one license.

>

>0 0 000 0 0 000 00 0 0 | James A. Carter | Jcarter@orl.mmc.com  
>0 0 0 0 0 0 0 0 0 0 0 0 | FCC Lic. KD4PON | These views are my own and  
>00 0 0 0000 000 0 0 0 00 | 1-(407)356-5879 | are in no way connected  
>0 0 0 0 0 0 0 0 0 00 | Martin Mariettia | to MARTIN MARIETTIA.  
>0 0 000 0 0 00 0 0 | Orlando, FL 32855 | Thanks Jim

>

Haven't been following this thread till now, but here is an additional factoid. In 1959, when the FCC first unleashed the Class D Citizens Band (Radio for Everyone!), the highly-paid lawyers apparently were asleep. Licenses were mandatory, and the application forms were either provided with the equipment or you had to send to the FCC to get them. The callsigns were assigned by a scheme in which the prefix was the FCC radio district, a number, followed by a W and a number. The TV shop I worked for (my elmers, W8FBX and K8UOF hired me there, thanks guys!) had an early call, 19W3091, I believe. Shortly thereafter, all CB calls had to be reassigned. A 19W, etc call did not fall within ITU guidelines for a proper US callsign. The KBXX2211 series then was instituted. By then many operators had discovered leenyars. The FCC gave up.

--

Chuck Reti  
WV8A Detroit,MI  
aa010@detroit.freenet.org

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Date: 3 Aug 1994 13:33:15 -0400  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!noc.near.net!shore.shore.net!  
northshore.shore.net!not-for-mail@network.ucsd.edu  
Subject: Gaithersburg MD Hamfest - 1994 Dates???????  
To: info-hams@ucsd.edu



Does anybody know the 1994 dates for the Gaithersburg MD hamfest/flea market and the name and number to call for more information? Last year it was in September, just after Labor Day.

Thanks.

Michael Crestohl KH6KD/W1  
mc@shore.net

-----  
Date: 3 Aug 1994 15:22:13 -0400  
From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!gatech!udel!news.udel.edu!brahms.udel.edu!not-for-mail@network.ucsd.edu  
Subject: Gaithersburg MD Hamfest - 1994 Dates???????  
To: info-hams@ucsd.edu

In article <31okcr\$pfh@northshore.shore.net>,  
Michael Crestohl <mc@northshore.shore.net> wrote:  
>Does anybody know the 1994 dates for the Gaithersburg MD hamfest/flea  
>market and the name and number to call for more information? Last year  
>it was in September, just after Labor Day.  
>  
>Thanks.  
>  
>Michael Crestohl KH6KD/W1  
>mc@shore.net

It's always the second sunday in september, that  
would make it september 11th. Sorry, I don't  
have any phone numbers.

Chuck (WB3FJJ)

-----  
Date: Wed, 3 Aug 1994 05:14:38 GMT  
From: agate!howland.reston.ans.net!math.ohio-state.edu!sdd.hp.com!hpscit.sc.hp.com!news.dtc.hp.com!srngenprp!alanb@ames.arpa  
Subject: Ham Software Pirates?  
To: info-hams@ucsd.edu

Dr. Lawrence James (lwjames@csn.org) wrote:

: In August '94 QST, Brian Beezley, K6STI, is quoted as saying "Many  
: software developers have no defense against the widespread software  
: piracy that occurs in the Amateur Radio market."

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: Without implicating any specific person, is this valid? Are hams really
: any worse than the rest of the population?
```

Maybe he is referring to the widespread use of TheNet, a ripoff of WA8DED's copyrighted NetROM software. Within a short time after TheNet's appearance, most new digipeaters were using it to avoid paying for a legal copy.

Needless to say, WA8DED has not since written any new amateur radio software...

AL N1AL

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Date: Wed, 3 Aug 1994 17:07:14 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!gatech!  
news.byu.edu!news.mtholyoke.edu!world!dts@network.ucsd.edu  
Subject: Interference to X-10 home automation?  
To: info-hams@ucsd.edu

I'd like to hear of experiences any hams have with the X-10 home automation systems, and whether they operated correctly in the presence of RF (160 meters through microwaves will be used near them if I use the X-10 stuff at all), and whether the X10 stuff caused any interference to any ham bands.

The X-10 communications occurs using carrier current at 120kHz over the power lines.

Any and all information about experiences with these devices would be appreciated.

Dan N1JEB  
n1jeb@world.std.com

— —

Daniel Senie	Internet:	dts@world.std.com
Daniel Senie Consulting		n1jeb@world.std.com
508-779-0439	Compuserve:	74176,1347

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Date: Thu, 4 Aug 1994 00:55:28 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!  
vixen.cso.uiuc.edu!sdd.hp.com!saimiri.primat.wisc.edu!aplcnmp!aurora.jhuapl.edu!

jeg@network.ucsd.edu  
Subject: Looking Maryland QSO info  
To: info-hams@ucsd.edu

Greetings:

Title says it all. I don't know if it has been previously posted or maybe someone has a copy in electronic form, either way could you please post it or send it to me. I would greatly appreciate it

73 de John kd3wy  
jeg@aardvark.jhuapl.edu

#include<Standard.Disclaimers>

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Date: Wed, 3 Aug 1994 12:41:51 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!gatech!wa4mei!ke4zv!gary@network.ucsd.edu  
Subject: Technician No Code  
To: info-hams@ucsd.edu

In article <egela003.775839471@maroon> egela003@maroon.tc.umn.edu (Ryan D Egeland) writes:

>I am currently preparing for the Technician no-code FCC amateur liscence.  
>If anyone has passed this examination and moved on to a higher class, I  
>would like to know whether it is really worth it to spend all that time  
>learning the code. I am mainly interested in microwave data transfer  
>right now, but I may like to get into DX someday. (???). I have  
>successfully DXed with my CB & a homebrew antenna on the standard 4  
>watts, but don't care for the CB crowd much. I have listened to the  
>2 meter band on my scanner, but can't quite get a good feel for what it's  
>all about. I have been fooling around with circuts and electronics for  
>about eight years now, and really find an interest in making antennas,  
>circuts, etc. Any opinions (especially about the value of a higher  
>liscence) appreciated.

I've been licensed 30 years, and held what was once the top license until the FCC changed the rules of the game. I've tried most aspects of amateur radio at one time or the other. You can't really know what aspect of amateur radio is going to be most attractive to you until you try it.

The Tech license opens a lot of doors for you, and may be exactly what you need for what you want to do. However, if you do find you want to explore HF, you currently do have to deal with the manual Morse testing

requirement. I'd suggest getting the Tech and using that to do your initial exploration of amateur radio. If HF operation still seems like it might be attractive, buy a shortwave receiver and listen for a while.

If you get excited by what you hear, then you might want to tackle the code to 5 WPM. That'll get you a taste of HF operating, and if actual on the air contacts at HF excite you, then you'll want to push on to General, Advanced, or Extra to get more HF frequencies. Extra isn't very attractive because you don't get much for the pain of dealing with an archaic 20 WPM manual Morse test. Advanced is the best value in terms of priviledges. However you may find Morse easy and fun (you may have a wreck on the way to the test session too, IMHO the odds are about the same as your finding manual Morse fun). Anyway, give it a try, you might be one of those rare people who have the idiot savant talent to be a natural modem. You can't know until you try.

>PS I am having a hard time finding out where to take my technician no  
>code examination in the Minneapolis area. Anyone know who to contact?

Contact the ARRL. They have lists of test sessions in your area, and who to contact to arrange your test.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

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Date: 4 Aug 94 01:14:07 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: What is WWV  
To: info-hams@ucsd.edu

Al from the UK (sorry, I did not capture the full address) asks:

>Sorry for being a dumbo - my interest has being raised! What is WWV?  
>Is this a North American only broadcast or can it be received  
>in Europe? The reason I ask is that I have tuned a short wave radio  
>in to the bands given and dont hear anything. I am ready to be  
>laughed off this group !!

Al, WWV is the station (actually two stations) that broadcast time and frequency standards here in the U.S.. They also broadcast storm

warnings to the Pacific and a few other things. Most of the audio consists of time clicks, with voice at the end and beginning of each minute. Anyone laughing you off the group should be ashamed at themselves for not noting your U.K. location.

73

-----  
Wm. A. Kirsanoff                      Internet: WAKIRSAN@ananov.remnet.ab.com  
Rockwell International              Ham: KD6MCI  
(714) 762-2872  
Alternate Internet: william\_a.\_kirsanoff@ccmail.anatcp.rockwell.com  
-----

Who are you? \* I am number 2. \* Who is number 1? \* You are number 6.  
-----

-----  
Date: Wed, 3 Aug 1994 14:34:27 GMT  
From: europa.eng.gtefsd.com!darwin.sura.net!news.duc.auburn.edu!  
usenet@uunet.uu.net  
Subject: Yaesu ft530 vco tune up  
To: info-hams@ucsd.edu

Anyone out there had any luck in increasing the transmit range on uhf on their yaesu 530? It stops just shy of what I need. I'd appreciate a copy of the vco tuning procedure if anyone has it.

thanks,  
ryan  
kr4oq@bbs.k4ry.#cenal.al.usa  
weltyrc@mail.auburn.edu  
-----

Date: Wed, 3 Aug 1994 06:48:06 GMT  
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa  
To: info-hams@ucsd.edu

References <3161lg\$5s7@char.vnet.net>, <775835365snz@alcarg.demon.co.uk>,  
<CtxKtw.DsL@omen.COM>  
Subject : Re: REQUEST: Help finding WWV receiver!

In article <CtxKtw.DsL@omen.COM> caf@omen.COM (Chuck Forsberg WA7KGX) writes:  
>  
>When conditions are right I can hear some of the other stations  
>on the 5, 10, or 15 mHz frequencies underneath WWV. You might  
>try listening just before the hour or half hour on whatever

>frequency favors Colorado USA or Hawaii at the time. Try  
>turning up the volume and listening for faint background voices  
>as you should have European stations on these frequencies.

It's a riot listening to 5, 10, and 15 MHz out here in the Central Pacific! There's about a dozen countries around the Pacific rim that transmit time signals on those frequencies; what a mess listening to them all ID, and the combined tones sound like a piano with all the keys depressed.

Jeff NH6IL

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End of Info-Hams Digest V94 #873  
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